

1900 - 2001
100 Years of Serving Tucson

Your Water Connection

On May 3rd,
Tucson Water
began adding the
Clearwater Blend
to our water...

Here's what that
means to you.

May 2001 <http://www.ci.tucson.az.us/water/>

Blended, Blended and Reblended

The Clearwater Blend is just that - a blend of recharged Colorado River water and groundwater. The initial blend created at the Clearwater Facility in central Avra Valley is blended again with groundwater from southern Avra Valley. Once it enters our main system, it is blended again with water from the Santa Cruz and South Side Wellfields. As this reblended water spreads through Tucson Water's distribution system it blends still again with water from our central city wells.

Water Quality Monitoring and Oversight

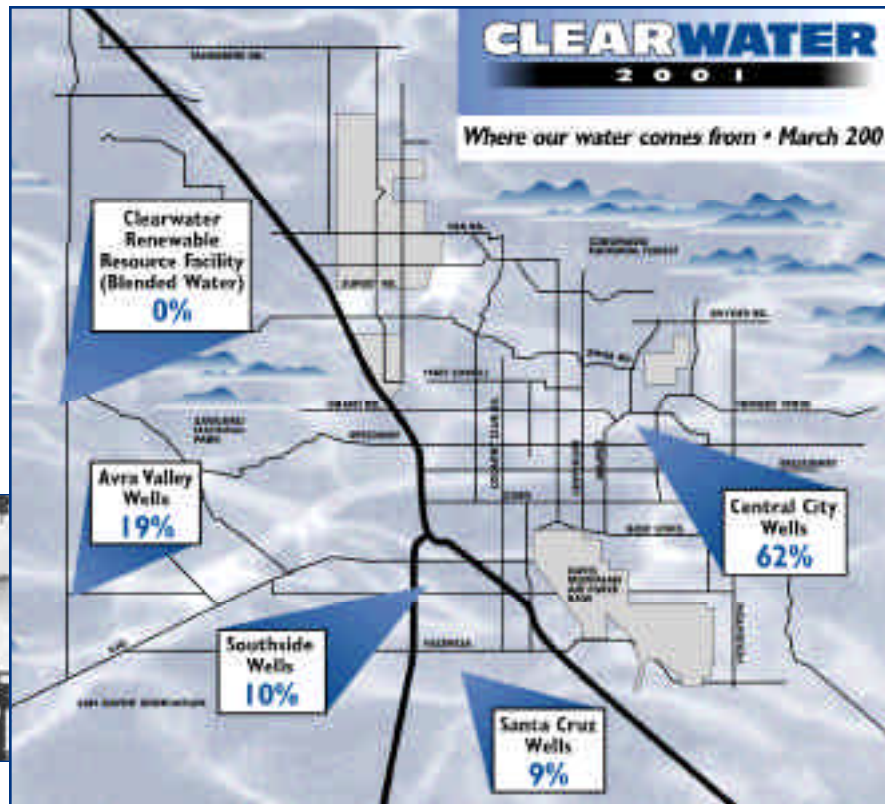
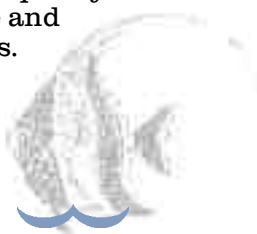
Tucson Water tests your drinking water at 257 sites located throughout the water



service area. We do this to make sure it always meets the stringent quality standards ordered by state and federal regulatory agencies.

No Worries for Fish

Blended water from Clearwater is treated with chlorine, just like all drinking water in Tucson and most of the United States. Fish owners will need to continue whatever actions they now take to remove chlorine from fish tanks and ponds, but no additional concerns should be necessary. If you have questions, contact your tropical fish or pet store or call Tucson Water at 791-4331.



What We Did to Make Sure the Blend is Quality Water

Tucson Water has conducted scientific research and customer discussions during the past several years to help ensure the water from the Clearwater Facility will meet the expectations of our customers regarding taste, odor, safety, and overall quality. Some of these projects and conclusions include:

• GRADUAL INTRODUCTION

Blended water will be introduced to the water distribution system gradually over a period of years, and re-blends repeatedly with groundwater from other wellfields while it is in the water system.

• PH

Corrosion studies conducted by scientists as part of the At The Tap program in 1997 and 1998 determined that relative pH (acid balance) is a critical factor in preventing corrosion problems. Therefore, Tucson Water will slowly adjust the pH of the Blend to 8.5 before it enters our system.

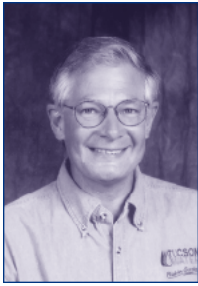
• MAIN REPLACEMENT

Over the past 6 years, Tucson Water has replaced or refurbished nearly all of the 225 miles of old, rusted water mains found throughout the water distribution system. Your drinking water, including the Clearwater Blend will flow through these brand new mains.

• NEIGHBORHOOD DEMONSTRATIONS

During 1999 and 2000, Tucson Water delivered the Clearwater Blend to four volunteer Tucson neighborhoods for 90 days each. The demonstrations were closely monitored and the homes inspected before and after the delivery. No problems occurred with plumbing or appliances and many volunteers said they preferred the taste of the Blend over the groundwater they had been receiving before the demonstrations began.





On the Water Front



I would like to thank the hundreds of people who have worked hard for years to make it possible for us to conceive of, design, build and operate the Clearwater Renewable Resource Facility. Every Tucson Water employee has been involved

in this effort, but there have also been local construction companies, engineering and water experts, and especially Tucson Water customers. We have had support, constructive criticism, volunteerism, healthy skepticism, advice and much more from our customers and we appreciate it all. At the same time we have worked hard to keep you informed about your water quality and this new water resource to make sure you have full and open access to whatever information you want about your

water. We at Tucson Water hope that through the efforts of the past few years we have built confidence with you and that the quality of your water reflects the job you have directed us to do. Thank you for working together with us to ensure Tucson has a reliable supply of quality water for the future. We will continue to work with you to keep your confidence and make sure the water you receive meets all standards, including yours.

David V. Modeer
Director, Tucson Water

Find more details and information about Clearwater and our new blended water at www.ci.tucson.az.us/water or call 791-4331.



Many Organizations Involved in Clearwater Water Quality

Tucson Water has partnered with a number of local organizations to review and report on the water quality of the Clearwater Blend. You may have already seen or read reports from Tucson Water and these groups on television, in the newspaper, or in your water bill.

The groups working with Tucson Water include:

- U of A, Department of Soils, Water & Environmental Sciences
- U of A, Southwest Environmental Health Sciences Center

CLEARWATER
2001

- City of Tucson Citizen & Neighborhood Services

- Hispanic Chamber of Commerce
- Pima County Health Department
- Pima County Wastewater Management
- Arizona Department of Environmental Quality
- Tucson/Pima Library
- U of A based National Science Foundation Water Quality Center
- U of A Water Resources Research Center
- Tucson Unified School District

Turn on your tap to sample the Clearwater Blend.

Visit the Tucson Water Web Site at <http://www.ci.tucson.az.us/water/>



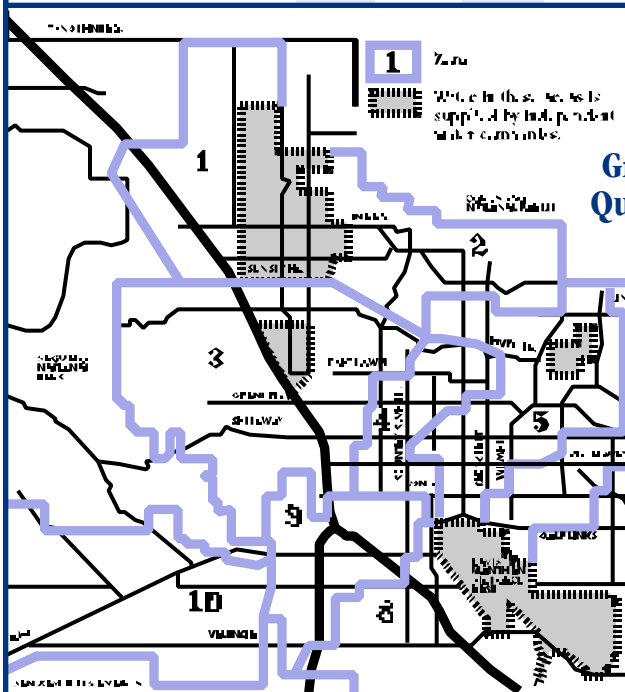
The Water Connection is produced by Tucson Water.
To receive a copy, or to receive this information in Spanish, call 791-4331 or mail your request to:
Customer Information
P.O. Box 27210
Tucson, AZ 85726-7210

City of Tucson
TTY number: 791-2639

Para recibir esta información en español, sírvase llamar al 791-4331.

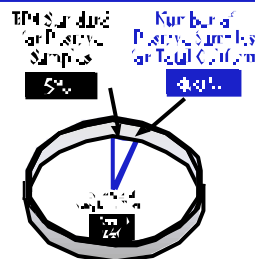
GROUNDWATER QUALITY REPORT - February 2001

Water Quality Zone		1	2	3	4	5	6	7	8	9	10	System Wide
Sodium (ppm)	Average Range	49 38-63	37 33-41	48 26-64	35 26-46	37 31-47	32 27-42	28 24-35	43 36-58	77 41-110	41 36-44	41 24-110
Mineral Content (ppm)	Average Range	400 180-554	257 233-277	317 184-477	260 183-479	243 164-283	230 202-284	215 156-251	301 234-419	331 211-758	217 200-229	270 156-758
Hardness (ppm)	Average Range	202 143-280	112 103-123	151 80-225	108 83-147	113 90-134	107 87-122	102 78-121	135 76-221	105 76-113	82 78-85	122 76-280
pH (units)	Average Range	7.7 7.4-8.4	7.9 7.6-8.2	7.9 7.6-8.3	7.9 7.6-8.2	7.8 7.1-8.2	7.9 7.0-8.3	8.0 7.6-8.2	7.9 7.7-8.1	8.0 7.8-8.2	8.0 7.7-8.2	7.9 7.0-8.4
Temperature (deg F)	Average Range	67 61-72	67 61-74	67 59-78	72 66-79	69 61-82	66 53-76	68 59-76	70 58-77	72 64-92	70 61-84	69 53-92



COLIFORM BACTERIA Testing Results - Feb 2001

Groundwater Quality Report



Chlorine Level Average

Range: 0.0 to 1.2 ppm

Monthly
Average
0.9 ppm



One part per million (ppm) is the same as one second of time in 11.6 days.

To give you a more accurate measurement of the water quality in your neighborhood, the Tucson Water service area has been divided into 10

zones based on differences in water pressure and water quality. For a detailed description of the zone boundaries, call 791-4331.